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[David Ungar, Randall B. Smith](#)

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The years 1985 through 1995 saw the birth and development of the lan authors at Xerox PARC, through first implementations by Ungar and his then with a larger team ...

Keywords: Self, adaptive optimization, cartoon animation, dynamic lar programming, history of programming languages, morphic, object-orier prototype-based programming language, virtual machine

5 [Parallel execution of prolog programs: a survey](#)
[Gopal Gupta, Enrico Pontelli, Khayri A.M. Ali, Mats Carlsson, Manuel V. Her](#)
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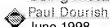
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Since the early days of logic programming, researchers in the field reali

present in the execution of logic programs. Their high-level nature, the referential transparency, ...

Keywords: Automatic parallelization, constraint programming, logic pro

6 Using metalevel techniques in a flexible toolkit for CSCW application



Paul Dourish

June 1998

Transactions on Computer-Human Interaction (TOCHI)

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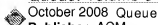
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Ideally, software toolkits for collaborative applications should provide ge wide range of circumstances, which software developers can assemble t nature of CSCW applications ...

Keywords: consistency control, consistency guarantees, data distributi implementation, software architecture

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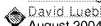
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8 GPGPU: general purpose computation on graphics hardware



David Luebke, Mark Harris, Jens Krüger, Tim Purcell, Naga Govindaraju, la August 2004 **SIGGRAPH '04: SIGGRAPH 2004 Course Notes**

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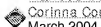
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The graphics processor (GPU) on today's commodity video cards has ev processor. The latest graphics architectures provide tremendous memor with fully programmable vertex ...

9 Hancock: A language for analyzing transactional data streams



Corinna Cortes, Kathleen Fisher, Daryl Pregibon, Anne Rogers, Frederick Si March 2004 **Transactions on Programming Languages and Systems**

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Massive transaction streams present a number of opportunities for data streams might represent calls on a telephone network, commercial cred requests to a web ...



Keywords: Domain-specific languages, data mining, statistical models

10 Cost analysis of multicast transport architectures in multiservice netw



K. Ravindran, Ting-Jian Gong

February 1998 **IEEE/ ACM Transactions on Networking (TON)**, Volume 6

Publisher: IEEE Press

Full text available:  Pdf (442.85 KB)Additional Information: [full citation](#), [ref](#)**Bibliometrics:** Downloads (6 Weeks): 8, Downloads (12 Months): 29, Download**Keywords:** backbone network topology, cost-based routing algorithms, architectures, multicast routing, multisource flow specification**11** [Helios: heterogeneous multiprocessing with satellite kernels](#) Edmund B. Nightingale, Orion Hodson, Ross McIlroy, Chris Hawblitzel, Gale October 2009 **SOSP '09**: Proceedings of the ACM SIGOPS 22nd symposium**Publisher:** ACM  Request PermissionsFull text available:  Pdf (474.21 KB)Additional Information: [full citation](#), [abs](#)**Bibliometrics:** Downloads (6 Weeks): 41, Downloads (12 Months): 41, Downlo



Helios is an operating system designed to simplify the task of writing, d heterogeneous platforms. Helios introduces satellite kernels, which expc across CPUs of disparate ...

Keywords: heterogeneous computing, operating systems**12** [Multitasking without compromise: a virtual machine evolution](#) Grzegorz Czajkowski, Laurent DaynésNovember 2001 **OOPSLA '01**: Proceedings of the 16th ACM SIGPLAN confe systems, languages, and applications**Publisher:** ACM  Request PermissionsFull text available:  Pdf (220.97 KB)Additional Information: [full citation](#), [abs](#)**Bibliometrics:** Downloads (6 Weeks): 12, Downloads (12 Months): 71, Downlo

The multitasking virtual machine (called from now on simply MVM) is a enables safe, secure, and scalable multitasking. Safety is achieved by s Resource control ...

Keywords: Java virtual machine, application isolation, native code exe

Also published in:

November 2001 **SIGPLAN Notices** Volume 36 Issue 11**13** [Application isolation in the Java Virtual Machine](#) Grzegorz CzajkowskiOctober 2000 **OOPSLA '00**: Proceedings of the 15th ACM SIGPLAN confere languages, and applications**Publisher:** ACM  Request PermissionsFull text available:  Pdf (217.49 KB)Additional Information: [full citation](#), [abs](#)**Bibliometrics:** Downloads (6 Weeks): 16, Downloads (12 Months): 110, Downl

To date, systems offering multitasking for the Java&trade; programming loader for each application. Both approaches are unsatisfactory. Using c poorly and ...

Keywords: Java Virtual Machine, application isolation, multitasking

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October 2000 **SIGPLAN Notices** Volume 35 Issue 10

**Virgil: objects on the head of a pin**

Ben L. Titzer

October 2006

OOPSLA '06: Proceedings of the 21st annual ACM SIGPLAN conference on Programming languages, languages, and applications**Publisher:** ACM[Request Permissions](#)

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Embedded microcontrollers are becoming increasingly prolific, serving a wide range of embedded systems from microwaves to sensor networks. Microcontroller-based systems are often resource-constrained ...

Keywords: data-sensitive optimization, dead code elimination, embedded microcontrollers, multi-stage computation, sensor networks, standalone whole-program compilation

Also published in:

October 2006 **SIGPLAN Notices** Volume 41 Issue 10

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